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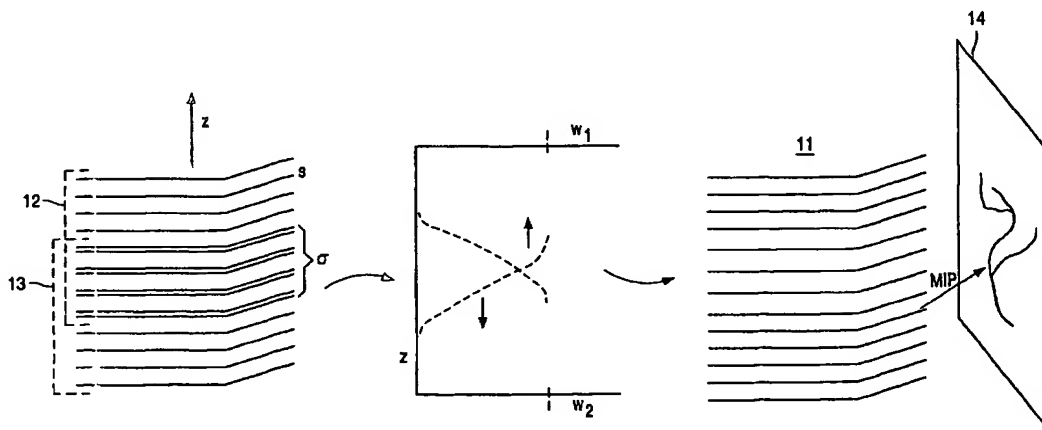
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- Published:**
- with international search report
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DATA-PROCESSING TO FORM A COMPOUND OBJECT DATA SET FROM A PLURALITY OF BASIS DATASETS



(57) Abstract: A compound object data set is formed from a plurality of basis datasets. The basis datasets assigning datavalues to spatial positions in an at least three-dimensional space. The basis datasets are associated with mutually overlapping regions. Compound datavalues for spatial positions in the overlapping regions are computed, perferably by weighted interpolation from datavalues of respective basis datasets.

# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/18 03/01150

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01R33/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 167 232 A (PARKER DENNIS L ET AL) 1 December 1992 (1992-12-01) abstract	1,7-9
Y	column 4, line 22 -column 5, line 18; figure 2	2-4
A		5,6
X	EP 1 060 706 A (HITACHI MEDICAL CORP) 20 December 2000 (2000-12-20)	1,7-9
A	abstract; figure 3 paragraph '0027! - paragraph '0046! -/-	2-6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*Z\* document member of the same patent family

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Internat. Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WEERASINGHE C ET AL: "An improved algorithm for rotational motion artifact suppression in MRI" IEEE TRANSACTIONS ON MEDICAL IMAGING, APRIL 1998, IEEE, USA, vol. 17, no. 2, pages 310-317, XP002248504 ISSN: 0278-0062	2-4
A	page 311, section III abstract	1-9
Y	US 6 097 833 A (VAN EEUWIJK ALEXANDER H W ET AL) 1 August 2000 (2000-08-01) cited in the application	2-4
A	abstract; figures 2,5 column 12, line 5-16	1
A	XIUYI JIN ET AL: "A SHAPE INTERPOLATION METHOD FOR THREE-DIMENSIONAL DIGITAL IMAGES" SYSTEMS & COMPUTERS IN JAPAN, SCRIPTA TECHNICA JOURNALS. NEW YORK, US, vol. 23, no. 2, 1992, pages 51-63, XP000272462 ISSN: 0882-1666 abstract; figures 1,2,4	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No

PCT/IB 03/01150

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